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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/767,292	01/29/2004	Hai Cong	CS03-016	4993
75	90 07/22/2004		EXAM	INER
STEPHEN B. ACKERMAN			GURLEY, LYNNE ANN	
28 DAVIS AVI POUGHKEEPS			ART UNIT	PAPER NUMBER
			2012	

DATE MAILED: 07/22/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

			M		
•	Application No.	Applicant(s)	•		
	10/767,292	CONG ET AL.			
Office Action Summary	Examiner	Art Unit			
	Lynne A. Gurley	2812			
The MAILING DATE of this communication Period for Reply	appears on the cover sheet w	vith the correspondence add	ress		
A SHORTENED STATUTORY PERIOD FOR RETHE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, If NO period for reply is specified above, the maximum statutory properties to reply within the set or extended period for reply will, by some any reply received by the Office later than three months after the rearned patent term adjustment. See 37 CFR 1.704(b).	ON. FR 1.136(a). In no event, however, may a n. a reply within the statutory minimum of th eriod will apply and will expire SIX (6) MC statute, cause the application to become A	reply be timely filed irty (30) days will be considered timely. NTHS from the mailing date of this com NBANDONED (35 U.S.C. § 133).	nmunication.		
Status					
1) Responsive to communication(s) filed on 2	29 January 2004.				
2a) ☐ This action is FINAL . 2b) ⊠	This action is non-final.				
3) Since this application is in condition for all	owance except for formal ma	tters, prosecution as to the r	merits is		
closed in accordance with the practice und	der <i>Ex parte Quayle</i> , 1935 C.	D. 11, 453 O.G. 213.			
Disposition of Claims					
4) Claim(s) 1-32 is/are pending in the application	ation.				
4a) Of the above claim(s) is/are with	ndrawn from consideration.				
5) Claim(s) is/are allowed.					
6) ☐ Claim(s) is/are rejected.					
7) Claim(s) is/are objected to.					
8) Claim(s) <u>1-32</u> are subject to restriction and	d/or election requirement.				
Application Papers					
9)☐ The specification is objected to by the Exa	miner.				
[0] The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.					
Applicant may not request that any objection to					
Replacement drawing sheet(s) including the co					
11)☐ The oath or declaration is objected to by th	e Examiner. Note the attach	ed Office Action or form PTC	D-152.		
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for fora) All b) Some * c) None of:	reign priority under 35 U.S.C.	§ 119(a)-(d) or (f).			
1. Certified copies of the priority docur	nents have been received.				
2. Certified copies of the priority docur	nents have been received in	Application No			
3. Copies of the certified copies of the	priority documents have bee	n received in this National S	stage		
application from the International Bu	ureau (PCT Rule 17.2(a)).				
* See the attached detailed Office action for a	a list of the certified copies no	t received. Hus	ley		
		PRIMARY PATENT EXA	<i>(</i>		
Attachment(s)		TC 2800, AU 2812	mineK		
1) Notice of References Cited (PTO-892)		Summary (PTO-413)			
2) Notice of Draftsperson's Patent Drawing Review (PTO-948	7	o(s)/Mail Date Informal Patent Application (PTO-	152)		
3) Information Disclosure Statement(s) (PTO-1449 or PTO/S Paper No(s)/Mail Date	6) Other:		· - - ;		

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DETAILED ACTION

Election/Restrictions

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:

I. Claims 1-30, drawn to a method of making a semiconductor device, classified in

class 438, subclass 622.

II. Claims 31-32, drawn to a semiconductor device, classified in class 257, subclass

758+.

The inventions are distinct, each from the other because of the following reasons:

2. Inventions I and II are related as process of making and product made. The inventions

are distinct if either or both of the following can be shown: (1) that the process as claimed can be

used to make other and materially different product or (2) that the product as claimed can be

made by another and materially different process (MPEP § 806.05(f)). In the instant case, the

process as claimed can be used to make other and materially different products, i.e. a product in

which the HM1/HM2/IMD stack is other than that claimed in the device structure (USG/SiC or

SiN/(Fluorine doped oxide or SiO2; or Carbon-doped Oxide; or Organic based low-k dielectric;

or porous low-k dielectric).

3. Because these inventions are distinct for the reasons given above and have acquired a

separate status in the art as shown by their different classification, restriction for examination

purposes as indicated is proper.

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4. Because these inventions are distinct for the reasons given above and the search required for Group I is not required for Group II, restriction for examination purposes as indicated is proper.

5. A telephone call was made to Stephen B. Ackerman on 7/20/04 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

6. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lynne A. Gurley whose telephone number is 571-272-1670. The examiner can normally be reached on M-F 7:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Niebling can be reached on 571-272-1679. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Lynne A. Gurley

Primary Patent Examiner

TC 2800, Au 2812

LAG

July 20, 2004